

IN THE CLAIMS:

The claims that are currently pending are shown as follows:

1-4. (Cancelled)

5. (Previously Presented) A method, comprising:
determining at least one initial value of a DC signal of at least one orientation sensor coupled to at least one ocean bottom cable;
determining at least one current value of a DC signal of the at least one orientation sensor;
comparing the at least one initial value of the DC signal of the at least one orientation sensor to the at least one current value of the DC signal of the at least one orientation sensor; and
determining whether the at least one ocean bottom cable has moved based on the comparison.

6. (Previously Presented) The method of claim 5, wherein the ocean bottom cable comprises a plurality of orientation sensors coupled thereto, and wherein comparing the at least one initial-value of the DC signal and the at least one current value of the DC signal comprises comparing a plurality of initial-values of the DC signal and a plurality of current values of the DC signal of the plurality of orientation sensors.

7-17. (Cancelled)

18. (Previously Presented) A system for carrying out a seismic survey, comprising:
at least one ocean bottom cable;
at least one seismic sensor coupled to the at least one ocean bottom cable;
at least one orientation sensor coupled to the at least one ocean bottom cable;
and
a signal processing unit capable of:

determining at least one initial value of a DC signal of the at least one orientation sensor;

determining at least one current value of a DC signal of the at least one orientation sensor;

comparing the at least one initial value of the DC signal of the at least one orientation sensor to the at least one current value of the DC signal of the at least one orientation sensor; and

determining whether the at least one ocean bottom cable has moved based on the comparison.

19-24. (Cancelled)

25. (Previously Presented) A system for carrying out a seismic survey, comprising:

at least one ocean bottom cable;

at least one seismic sensor coupled to the at least one ocean bottom cable;

at least one orientation sensor coupled to the at least one ocean bottom cable, wherein the at least one orientation sensor is at least one of a single and a dual axis accelerometer formed on an integrated circuit chip; and

a signal processing unit capable of:

determining at least one initial inclination of the at least one orientation sensor;

determining at least one current inclination of the at least one orientation sensor; and

determining whether the at least one ocean bottom cable has moved using the at least one initial inclination and the at least one current inclination.

26-29. (Cancelled)

30. (Previously Presented) An article comprising one or more machine-readable storage media containing instructions that when executed enable a processor to:

determine at least one initial value of a DC signal of at least one orientation sensor coupled to at least one ocean bottom cable;

determine at least one current value of a DC signal of the at least one orientation sensor;

compare the at least one initial value of the DC signal of the at least one orientation sensor to the at least one current value of the DC signal of the at least one orientation sensor; and

determine whether the at least one ocean bottom cable has moved based on the comparison.

31-34. (Cancelled)

35. (Previously Presented) An apparatus, comprising:

means for determining at least one initial value of a DC signal of at least one orientation sensor coupled to at least one ocean bottom cable;

means for determining at least one current value of a DC signal of the at least one orientation sensor;

means for comparing the at least one initial value of the DC signal of the at least one orientation sensor to the at least one current value of the DC signal of the at least one orientation sensor; and

means for determining whether the at least one ocean bottom cable has moved based on the comparison.

36. (Cancelled)